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IN THE CLAIMS

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims, in the application.

Please amend claims 1 thru 10 and 12 as follows:

1 1. (Currently Amended) A wireless network system capable of tracking a location
2 of a mobile station, comprising:

3 a base station controller; and

4 a visitor location register in which location information relating to a wireless
5 network location of [[a]] the mobile station is stored; [[and]]

6 [[a]] wherein the base station controller ~~for storing~~ stores the location information
7 relating to the wireless network location of the mobile station in said visitor location
8 register when the mobile station registers its location with said wireless network, and for
9 ~~confirming a~~ wherein the base station controller confirms the location of the mobile
10 station by dummy paging and ~~updating~~ updates the location information stored in said
11 visitor location register when the mobile station keeps up an idle state during a certain
12 period.

1 2. (Currently Amended) A private wireless network system capable of tracking a
2 location of a mobile station, comprising:

3 at least one repeater dispersedly installed in sector zones of a private base
4 transceiver station;

5 a private base station controller; and

6 a visitor location register in which location information relating to a private
7 wireless network location of a mobile station is stored, the location information including
8 at least one of a private base transceiver station number, ~~a sector number~~ and a repeater

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9 number; and

10 [[a]] said private base station controller [[for]] storing the location information
11 relating to the private wireless network location of the mobile station in said visitor
12 location register when the mobile station registers its location with said private wireless
13 network, and [[for]] confirming the location of the mobile station by dummy paging and
14 updating the location information stored in said visitor location register when the mobile
15 station keeps up an idle state during a certain period.

1 3. (Currently Amended) A private wireless network system capable of tracking a
2 location of a mobile station, comprising:

3 a plurality of repeaters dispersedly installed in sector zones of a private base
4 transceiver station;

5 a private base station controller; and

6 a visitor location register in which location information relating to a private
7 wireless network location of a mobile station is stored, the location information including
8 at least one of a private base transceiver station number, ~~a sector number~~ and a repeater
9 number;

10 [[a]] said private base station controller [[for]] storing the location information
11 relating to the private wireless network location of the mobile station in said visitor
12 location register when the mobile station registers its location with said private wireless
13 network; and [[for]] confirming a location of the mobile station by dummy paging and
14 updating the location information stored in said visitor location register when the mobile
15 station keeps up an idle state during a certain period; [[and]]

16 said system further comprising a server for inquiring about the location
17 information of the mobile station stored in said visitor location register.

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1 4. (Currently Amended) A method for tracking a location of a mobile station in a
2 wireless network, comprising the steps of:

3 providing a visitor location register;

4 storing, by ~~[[a]]~~ the base station controller, location information relating to a
5 wireless network location of a mobile station in ~~[[a]]~~ the visitor location register when
6 the mobile station registers its location with said wireless network;

7 confirming, by the base station controller, a location of the mobile station by
8 dummy paging when the mobile station keeps up an idle state during a certain period; and

9 updating the location information stored in ~~[[said]]~~ the visitor location register
10 using information corresponding to the confirmed location of the mobile station.

1 5. (Currently Amended) The method according to claim 4, wherein the location
2 information includes at least one of a base transceiver station number, ~~a sector number~~
3 and a repeater number.

1 6. (Currently Amended) In a private wireless network including a visitor location
2 register in which location information of a mobile station is stored, a method for tracking
3 a location of the mobile station, comprising the steps of:

4 storing, by a private base station controller of said private wireless network,
5 location information relating to a private wireless network location of the mobile station
6 in said visitor location register when the mobile station registers its location with said
7 private wireless network;

8 confirming, by said private base station controller of said private wireless
9 network, the location of the mobile station by dummy paging when the mobile station
10 keeps up an idle state during a certain period; and

11 updating the location information stored in said visitor location register using
12 information corresponding to the confirmed location of the mobile station.

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1 7. (Currently Amended) The method according to claim 6, wherein the location
2 information includes at least one of a private base transceiver station number, ~~a sector~~
3 ~~number~~ and a repeater number.

1 8. (Currently Amended) In a private wireless network including at least one
2 repeater dispersedly installed in sector zones of a private base transceiver station and a
3 visitor location register in which location information of a mobile station is stored, a
4 method for tracking a location of the mobile station, comprising the steps of:

5 storing, by a private base station controller of said private wireless network, the
6 location information of the mobile station in said visitor location register when the
7 mobile station registers its location with said private wireless network, the location
8 information including at least one of a private base transceiver station number, ~~a sector~~
9 ~~number~~ and a repeater number with respect to the mobile station;

10 confirming, by said private base station controller of said private wireless
11 network, the location of the mobile station by dummy paging when the mobile station
12 keeps up an idle state during a certain period; and

13 updating the location information stored in said visitor location register using
14 information corresponding to the confirmed location of the mobile station.

1 9. (Currently Amended) In a private wireless network including a visitor location
2 register and a server representing location information of a mobile station, a method for
3 tracking a location of a mobile station, comprising the steps of:

4 storing, by a private base station controller of said private wireless network,
5 location information relating to a private wireless network location of the mobile station
6 in said visitor location register when the mobile station registers its location with said
7 private wireless network;

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8 confirming, by said private base station controller of said private wireless
9 network, the location of the mobile station by dummy paging when the mobile station
10 keeps up an idle state during a certain period;

11 updating the location information stored in said visitor location register using
12 information corresponding to the confirmed location of the mobile station; and

13 transmitting, by said private base station controller, the location information of the
14 mobile station to said server when the location information of the mobile station is stored
15 in said visitor location register.

1 10. (Currently Amended) A method for tracking a location of a subscriber mobile
2 station, comprising the steps of:

3 providing a private base station controller;

4 providing a visitor location register;

5 storing location information when the subscriber mobile station executes location
6 registration, the location information including a private base transceiver station number,
7 a sector number and a repeater number with respect to the subscriber mobile station;

8 periodically transmitting, to a server, an inquiry message about a state of the
9 subscriber mobile station;

10 requesting, by the server, [[a]] the private base station controller to access location
11 information stored in [[a]] the visitor location register in response to the inquiry message;

12 transmitting, by the private base station controller, location information stored in
13 the visitor location register to the server in response to the requesting by the server;

14 transmitting, by the server, the location information received from said private
15 base station controller to a client;

16 receiving, by the client, the location information from said server, and providing a
17 user with a location and a state of a mobile station according to the received location
18 information; and

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19 confirming, by the base station controller, the location and the state of the
20 subscriber mobile station by dummy paging and updating the location information of said
21 visitor location register when the mobile station keeps up an idle state during a certain
22 period, and then transmitting the updated location information to said server.

Claim 11. (Cancelled)

1 12. (Currently Amended) A method for tracking a location of a subscriber,
2 comprising the steps of:

3 providing a private base station controller;

4 providing a visitor location register;

5 storing location information when a mobile station executes location registration,
6 the location information including a private base transceiver station number, ~~a sector~~
7 ~~number~~ and a repeater number with respect to the mobile station;

8 designating a subscriber mobile station, and requesting a client to inquire about a
9 state of the subscriber mobile station, the client transmitting a message inquiring about
10 the state of the subscriber mobile station to a server in response to a request by a user;

11 requesting ~~[[a]]~~ the private base station controller to confirm a location and the
12 state of the subscriber mobile station in response to the message transmitted by the client;
13 and

14 confirming, by the private base station controller, the location and the state of the
15 subscriber mobile station by dummy paging, updating location information stored in ~~[[a]]~~
16 the visitor location register, and transmitting, by the private base station controller, the
17 updated location information to said server in response to a request by the server.

1 13. (Previously Presented) The method according to claim 12, further comprising
2 the steps of:

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3 transmitting, to the client, the location information transmitted by said private
4 base station controller; and
5 receiving, by the client, location information transmitted by said server, and
6 providing a user with the location and the state of the subscriber mobile station according
7 to the received location information.

1 14. (Previously Presented) The method according to claim 10, further comprising
2 the step of transmitting the location information stored in said visitor location register
3 directly to the server, remote from the visitor location register, in response to the
4 requesting by the server.

1 15. (Previously Presented) The private wireless network system of claim 3, said
2 server being connected to said private base station controller through a local area
3 network, the plurality of repeaters being connected to the private base transceiver station,
4 and the private base transceiver station being connected to said private base station
5 controller.

1 16. (Previously Presented) The private wireless network system of claim 15,
2 further comprising a client which is informed of the location information by said server,
3 said client being connected to said server, said server not accommodating a
4 communication link between mobile stations.

1 17. (Previously Presented) The method of claim 13, said client being connected to
2 said server, said server being connected to said private base station controller through a
3 certain network, a plurality of repeaters being connected to the private base transceiver
4 station, and the private base transceiver station being connected to said private base
5 station controller.